MAGICFX®

USER MANUAL

MAGICFX® STADIUM SHOT

1. CONGRATULATIONS!

You have purchased a Stadium Shot, a great and innovative product from MAGICFX®.

MAGIC FX is a Dutch manufacturer of professional special effects machinery and equipment. We have specialized in special effects since we established our business in 1995. All products are manufactured under the brand name MAGICFX®, which has acquired an excellent reputation for quality and reliability. All products are manufactured in accordance with the European Machinery Directive. MAGIC FX handles the entire production in-house from concept to finished product. We take care of the design, prototyping and manufacturing process.

MAGICFX® products are used by special effects professionals around the world and distributed by a dealer network across more than 80 countries.

You can rely on MAGICFX® for excellent effects!
We work hard to keep you, our customer, satisfied.

Congratulations and a lot of success and amazing shows with your new MAGICFX® Stadium Shot!

2. CE MARKING

	NOTE: **We must assume that you, your employees and others who use or come into contact with the machine are familiar with how the machine should be utilized. This specifically pertains to the proper use, maintenance and repair of the machine as described in this user manual. This also means that employees should be qualified to use machinery through training or experience.**
	DANGER WARNING: **The Stadium Shot must only be used according to the prescriptions and instructions in this manual. Consult MAGIC FX if there are any doubts about usage.**

Disclaimers:

MAGIC FX B. V. specifically disclaims liability for unsafe situations, accidents and damages caused by:

- Ignoring warnings or prescriptions displayed on the Stadium Shot or in this documentation.
- Using the equipment for other purposes or situations than specified in this documentation.
- Modifications to the Stadium Shot. This includes the use of non-original spare parts.
- Improper maintenance.
- Unauthorized removal of safety covers and/or safety devices.
- Improper use of the machine.

MAGIC FX B.V. is not liable for any damages due to failures of the Stadium Shot.

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MAGIC FX reserves the right to make modifications at any time without having to notify the customer beforehand. The content of this manual may also be modified.

For additional information about maintenance, repair, and so on, please contact your supplier's technical department. This manual was written with the utmost care. MAGIC FX cannot be held liable for errors contained in this document or consequences thereof.

3. DECLARATION OF CONFORMITY

DECLARATION OF CONFORMITY - Module B+C1
Art. 9 / 10 + Att II - Directive 97/23/EC (PED)

COMPREDDED AIR TANK

Code **MFX0401**	
Manufacturer **MAGIC FX B.V.**	
Type **STADIUM SHOT**	
Design pressure **8,0 bar**	**Pneumatic pressure test** **8,8 bar**
Min. Design metal temperature **0°C**	**Max. Design metal temperature** **70°C**
Capacity **33,0 L**	**Category** **II**
Approval nr. **03 CPB 05 07 01 dtd.**	
Applied norms **VSR – pressure calculations** **AD Merkblätt – Fatigue Stress** **AD Merkblätt – Pressure test**	
Notified Body **ICEPI SpA EU nr. 0066**	
Approved MAGIC FX drawing **M680927 rev.A**	**PED Module** **B + C1**

Pressure test **8,8 bar**	**Test time** **3 minutes**	**Pressurizing fluid** **Filtered air**

The Stadium Shot passed the MAGIC FX test procedure

4. FOREWORD

This manual provides pertinent information about the MAGICFX® Stadium Shot. The information in this manual is important with respect to the proper and safe operation of the Stadium Shot. If you are not familiar with the installation, operation, preventive maintenance, etc., of the Stadium Shot then read this manual in its entirety. MAGIC FX also urges all new users (operators, installers, maintenance staff and possibly cleaning staff) to receive training on the equipment using this manual as the basis for the training.

MAGIC FX recommends you keep the original of this manual and its attachments in a secure central location, and, keep another copy of this manual close to the workplace where the Stadium Shot will be used.

If you are well acquainted with the proper handling of the equipment then keep this manual handy for reference.

The following conventions are used in this manual to draw your attention to specific information or actions.

	TIP: **This provides you with suggestions and advice on how to perform tasks in an easier or more convenient way.**
	NOTE: **This is a note providing supplemental information that alerts you to possible problems.**
	CAUTION: **This indicates that the equipment may be damaged if procedures are not carried out in the proper manner.**
	DANGER WARNING: **This indicates that you may cause yourself injury, possibly serious, if procedures are not carried out in the proper manner.**

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5. INTRODUCTION

5.1 DESCRIPTION OF THE STADIUM SHOT AND ITS USAGE

The Stadium Shot is a special developed confetti and streamer shot system to be used at outdoor locations. The Stadium Shot is build to easily and safely shoot confetti and streamers outdoor.

Should you use the equipment in any way other than just described then you release your supplier from all liability.

5.2 NECESSARY ACCESSORIES

The following parts are required with the Stadium Shot:

Manual	**MFX0405 – Compressor**	**MFX0406 – Hose**

Table 5.1

5.3 CONFETTI & STREAMERS

The Stadium Shot offers the possibility the shoot multiple loads.

The following loads are possible to use:

INPUT	LOAD	LOAD MASS	OUTPUT
	PAPER CONFETTI	**2,5 kg**	**20M**
	METALLIC CONFETTI	**3 kg**	**20M**
	10m x 1,5cm STREAMER	**30 Polybags (960 rolls)**	**30M**
	10m x 5cm STREAMER	**15 Polybags (150 rolls)**	**30M**
	20m x 5cm STREAMER	**8 Polybags (80 rolls)**	**50M**

Tabel 5.2

	DANGER WARNING: **Metallic products weigh more than paper product, this results in a higher output.**

6. SAFETY

6.1 INTRODUCTION

The Stadium Shot is designed and constructed so that it can be used in a safe manner. Specifically, this refers to the usage, situations, and prescriptions for the device as described in this documentation. It is the responsibility of all persons authorized to use the Stadium Shot to read and follow the instructions in this manual.

The Stadium Shot should be located and used in an environment that preferably:

- Has a fairly constant temperature between 0 and 30ºC.
- Has a relative humidity not exceeding a maximum of 75%.
- Is reasonably free of dust, corrosive gases, and high concentrations of organic vapors.
- Does not contain any source of vibrations in the environment.

6.2 GENERAL SAFETY RULES

- Ensure that the Stadium Shot is not accessible to children, unauthorized persons, or animals!
- Never place anything or anyone in front of the output when the Stadium Shot is pressurized
- Do not touch the Stadium Shot when it is operational or turned on. Even if the device is not in operation it might be ready to activate.
- Safety devices must not be removed or rendered inoperative.
- All required safety devices should be in good working order and functioning properly.
- Ensure that there is adequate lighting in the environment.
- Keep the workplace clean.
- Only authorized persons may work with the Stadium Shot.

6.3 WARNINGS

There are several warnings displayed on the Stadium Shot to which the following restrictions apply:

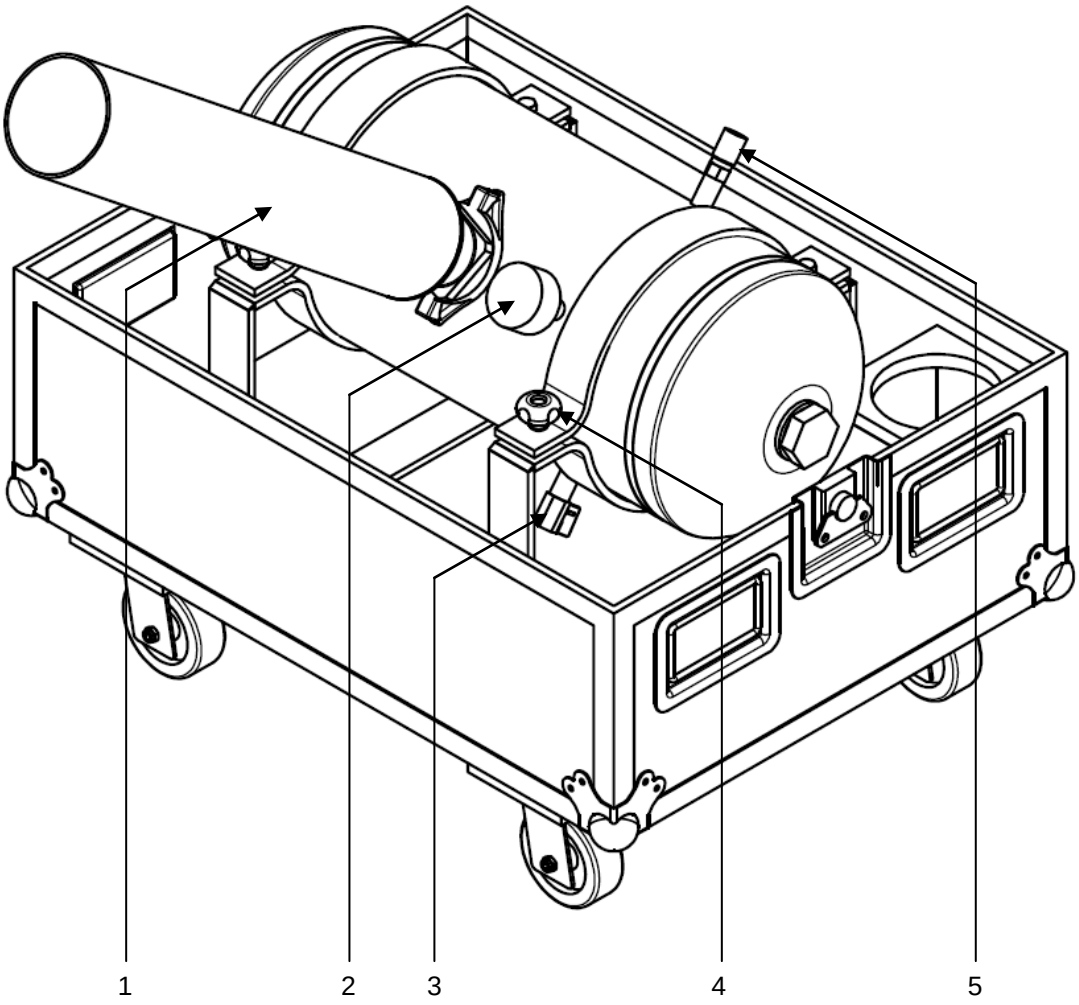
- The text must not be removed or otherwise spoilt. The operator should regularly check that the warnings are in good condition.
- The operator must ensure that the text is always visible and legible and that it remains so.

	DANGER WARNING: **Any missing, damaged, or illegible text or icons must be replaced.**

The icons used are shown below:

Icon	Explanation
 PIC 616 Observe directions for use	Make the operator aware that they may only use the device after they have read the user manual. This warning is indicated with this instruction icon.

7. PARTS



1. Output
2. Pressure Gage
3. Vent tap
4. Locknut
5. Pressure input

8. ACCESSORIES

MFX0404 – Compression Tape	**MFX0403 – Compression Caps**	**MFX0402– Lifting Cores**

Table 8.1

You can order the above parts from:

MAGIC FX B.V.
Industrieweg 16
NL-5281 RW BOXTEL
The Netherlands
T. +31(0)411 63 50 13
F. +31(0)411 63 50 12
W. http://www.magicfx.eu
E. info@magicfx.eu

9. PREPARATION FOR USE

Unpack the Stadium Shot. Dispose of packaging material without causing harm to the environment. Check the device for any possible damage. You must report any damage to the device to MAGIX FX.

1.

Take a carton lifting core and drop this in the shot pipe to seal the hole.

Check if the lifiting core is flat on the bottom!

2.

Fill the shot pipe with your desired confetti and/or streamer products

For extra effect u can mix multiple products!

3.

	When the shot pipe is filled place a pressure cap on top of the shot pipe.
	Use tape to lock the pressure cap in its place.

10. INSTALLING

	CAUTION: **This indicates that the equipment may be damaged if procedures are not carried out in the proper manner.**
	DANGER WARNING: **The MAGICFX® Stadium Shot may only be installed by authorized adults.**

Prepare the Stadium Shot for use as follows:

1.

Place the Stadium Shot on a sturdy and stable surface.

2.

Remove the lid of the Stadium Shot.

3.

Take the shot pipe of the Stadium Shot out of its holder.

4.

Check if the Stadium Shot is not pressurized.

Next screw the shot pipe on the threaded pipe on the Stadium Shot.

5.

Rotate the tank to position it in the desired shooting direction

6.

Lock the tank in its place by tightening the lock nuts.

Always check if the tank is really locked.

7.

Ensure that all four wheels of the Stadium Shot are locked to keep the Stadium Shot in its place.

When shot the Stadium Shot recoils when the wheels are not locked!

8.

Use a compressor (with a maximum pressure of 8 bar) to pressurize the tank

Connect one end of the hose to the input of the tank and the other end to the compressor.

9.

Activate the compressor and wait till the tank has reached a pressure of 8 bar.

The maximum pressure of the tank is 8 bar. When its pressured the compressor can be removed.

Check the pressure of the tank.
Due to high temperatures the pressure can rise. The Stadium Shot has an safety valve which ensures the Stadium Shot is never over pressurized. U can manually lower the pressure by opening the vent tap on the Stadium Shot.

DANGER WARNING:
Ensure the tank is locked with the lock nuts

Only use a compressor with a maximum pressure of 8 bar. Make sure the compressor is provided with certification and read its manual for proper use.

Never leave the Stadium Shot and its control unsupervised!

Make sure the surrounding of the Stadium Shot is free of people animals or other obstructions

Keep a safe distance of the crowd, the recommended distance is 25 meters!

Never leave the tank pressurized longer than 15 minutes

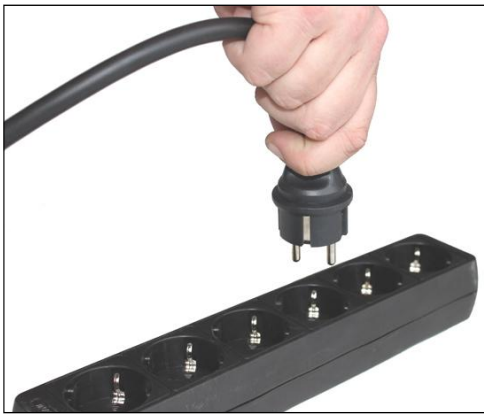
Due to high temperatures the pressure can rise. The Stadium Shot has an safety valve which ensures the Stadium Shot is never over pressurized. U can manually lower the pressure by opening the vent tap on the Stadium Shot.

11. USAGE

	TIP: **This provides you with suggestions and advice on how to perform tasks in an easier or more convenient way.**
	CAUTION: **This indicates that the equipment may be damaged if procedures are not carried out in the proper manner.**
	DANGER WARNING: **The MAGICFX® Stadium Shot may only be operated by authorized adults.** **The Stadium Shot may only be operated if all parts are entire and in good working order and properly connected/installed.**

Operate the Stadium Shot as follows:

1.



The Stadium Shot will shoot when its valve is powered with a 220VAC power source

Use a power source which can be switched for easy usage

Plug the power cord in the switch.

2.

Toggle the switch to the ON position to shoot the Stadium Shot. Directly after the shot toggle it back to the OFF position.

12. TURNING OFF

Turn off the Stadium Shot as follows:

1.

Disconnect the Stadium Shot from its power source

2.

Unlock the hose form the compressor and store the compressor

3.

Check the tank for remaining pressure. Remove all the pressure with the vent tap.

4.

Unscrew the shot pipe from the tank and place it back in its holder.

5.

Check if the Stadium Shot is complete and put the lid back on.

13. TROUBLESHOOTING

- **The Stadium Shot leaks out of the pipe.**

Release the pressure from the tank and re attach the compressor, while the compressor is running seal of the pipe with your hand and wait till the pressure reaches 2 bar. Remove your hand and the pressure will rise till it reaches 8 bar. If not repeat the process

- **The Stadium Shot leaks from the valve.**

Release the pressure from the tank and make sure the Stadium Shot is not connected to a power source, unbolt the 4 bolts on the valve with a wrench and remove the unbolted part. Remove the rubber membrane and clean the metal part. Repeat this process for the valve with 6 bolts.
After cleaning bolt everything back in place and test the Stadium Shot.

- **The Stadium Shot still does not work after troubleshooting**

Always contact your dealer or the MAGIC FX technical department if you have any doubts or questions about the operation of or other issues related to the Stadium Shot.

14. TECHNICAL SPECIFICATIONS

Afmetingen en gewicht	Length:	770mm (30.3”)
	Width:	580mm (22.8”)
	Height:	750mm (29.5”)
	Pipe length:	650mm (25.6”)
	Pipe dia.:	110mm (4.33”)
	Weight:	70 Kg (154.5lbs.)
	Volume:	33 Liter
	Max. Press:	8 Bar (115 PSI)
Power	Input:	AC 230V~50-60Hz
	Consumption:	100W
Output	Confetti:	Up to 20m
	Streamers:	Up to 30m
	Stadium streamers	Up to 50m

15. MAINTENANCE

To prolong the life of the Stadium Shot for as long as possible, you must regularly clean it and test that it functions properly.
Regardless of the reason, contact MAGIC FX if the Stadium Shot does not work properly

	DANGER WARNING: **Never replace parts yourself. Always consult MAGIC FX when needed.**

16. GUARANTEE

The MAGIC FX Stadium Shot has a 3 year factory guarantee.

- The guarantee is annulled should the Stadium Shot be used for purposes other than intended or for applications that are not listed in the manual.
- The guarantee is annulled should the device be used incorrectly or in a manner contrary to its instructions.
- The guarantee is annulled if the device is altered without the permission of its supplier.